

re-run #7



1600

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/088,079

DATE: 10/21/2002
 TIME: 19:50:23

Input Set : A:\US10088079.raw
 Output Set: N:\CRF4\10212002\J088079.raw

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1 <110> APPLICANT: National Research Council of Canada
2 <120> TITLE OF INVENTION: Transgenic manipulation of sn-glycerol-3-phosphate and
3   glycerol production with a feedback defective
4   glycerol-3-phosphate dehydrogenase gene
5 <130> FILE REFERENCE: 45419
6 <140> CURRENT APPLICATION NUMBER: US/10/088,079
7 <141> CURRENT FILING DATE: 2002-03-21
8 <150> PRIOR APPLICATION NUMBER: US60/155133
9 <151> PRIOR FILING DATE: 1999-09-22
10 <160> NUMBER OF SEQ ID NOS: 6
11 <170> SOFTWARE: PatentIn Ver. 2.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1020
15 <212> TYPE: DNA
16 <213> ORGANISM: Escherichia coli
17 <400> SEQUENCE: 1
18   atgaaccaac gtaatgcttc aatgactgtg atcgggtgccg gctcgtacgg caccgctctt 60
19   gccatcaccc tggcaagaaa tggccacgag gttgtcctct ggggccatga ccctgaacat 120
20   atcgcaacgc ttgaacgcga ccgctgtaac gcgcgcttcc tccccgatgt gccttttccc 180
21   gatacgctcc atcttgaaag cgatctcgcc actgcgctgg cagccagccg taatattctc 240
22   gtcgtcgtag ccagccatgt ctttggtgaa gtgctgcgcc agattaaacc actgatgcgt 300
23   cctgatgcgc gtctggtgtg ggcgacaaa gggctggaag cggaaaaccgg acgtctgtta 360
24   caggacgtgg cgcgtgaggg cttaggcgat caaattccgc tggcggttat ctctggccca 420
25   acgtttgcga aagaactggc ggcaggttta ccgacagcta ttctgctggc ctcgaccgat 480
26   cagacctttg ccgatgatct ccagcagctg ctgcactgcg gcaaaaagtt ccgcgtttac 540
27   agcaatccgg atttcattgg cgtgcagctt ggcgggcgcg tgaaaaacgt tattgccatt 600
28   ggtgcgggga tgtccgacgg tatcggtttt ggtgcgaatg cgcgtacggc gctgatcacc 660
29   cgtgggctgg ctgaaatgtc gcgtcttggg gcggcgctgg gtgccgacc tgccaccttt 720
30   atgggcatgg cggggcttgg cgatctggtg cttacctgta ccgaaaacca gtcgcgtaac 780
31   cgccgttttg gcatgatgct cggtcagggc atggatgtac aaagcgcgca ggagaagatt 840
32   ggtcagggtg tggaaggcta ccgcaatacg aaagaagtcc gcgaactggc gcatcgcttc 900
33   ggcgttgaaa tgccaataac cgaggaaatt tatcaagtat tatattgcgg aaaaaacgcg 960
34   cgcgaggcag cattgacttt actaggctcg gcacgcaagg acgagcgag cagccactaa 1020
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 339
38 <212> TYPE: PRT
39 <213> ORGANISM: Escherichia coli
40 <400> SEQUENCE: 2
41   Met Asn Gln Arg Asn Ala Ser Met Thr Val Ile Gly Ala Gly Ser Tyr
42   1           5           10          15
43   Gly Thr Ala Leu Ala Ile Thr Leu Ala Arg Asn Gly His Glu Val Val
44   20          25          30
45   Leu Trp Gly His Asp Pro Glu His Ile Ala Thr Leu Glu Arg Asp Arg

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46          35          40          45
47      Cys Asn Ala Ala Phe Leu Pro Asp Val Pro Phe Pro Asp Thr Leu His
48          50          55          60
49      Leu Glu Ser Asp Leu Ala Thr Ala Leu Ala Ala Ser Arg Asn Ile Leu
50          65          70          75          80
51      Val Val Val Pro Ser His Val Phe Gly Glu Val Leu Arg Gln Ile Lys
52          85          90          95
53      Pro Leu Met Arg Pro Asp Ala Arg Leu Val Trp Ala Thr Lys Gly Leu
54          100          105          110
55      Glu Ala Glu Thr Gly Arg Leu Leu Gln Asp Val Ala Arg Glu Ala Leu
56          115          120          125
57      Gly Asp Gln Ile Pro Leu Ala Val Ile Ser Gly Pro Thr Phe Ala Lys
58          130          135          140
59      Glu Leu Ala Ala Gly Leu Pro Thr Ala Ile Ser Leu Ala Ser Thr Asp
60          145          150          155          160
61      Gln Thr Phe Ala Asp Asp Leu Gln Gln Leu Leu His Cys Gly Lys Ser
62          165          170          175
63      Phe Arg Val Tyr Ser Asn Pro Asp Phe Ile Gly Val Gln Leu Gly Gly
64          180          185          190
65      Ala Val Lys Asn Val Ile Ala Ile Gly Ala Gly Met Ser Asp Gly Ile
66          195          200          205
67      Gly Phe Gly Ala Asn Ala Arg Thr Ala Leu Ile Thr Arg Gly Leu Ala
68          210          215          220
69      Glu Met Ser Arg Leu Gly Ala Ala Leu Gly Ala Asp Pro Ala Thr Phe
70          225          230          235          240
71      Met Gly Met Ala Gly Leu Gly Asp Leu Val Leu Thr Cys Thr Glu Asn
72          245          250          255
73      Gln Ser Arg Asn Arg Arg Phe Gly Met Met Leu Gly Gln Gly Met Asp
74          260          265          270
75      Val Gln Ser Ala Gln Glu Lys Ile Gly Gln Val Val Glu Gly Tyr Arg
76          275          280          285
77      Asn Thr Lys Glu Val Arg Glu Leu Ala His Arg Phe Gly Val Glu Met
78          290          295          300
79      Pro Ile Thr Glu Glu Ile Tyr Gln Val Leu Tyr Cys Gly Lys Asn Ala
80          305          310          315          320
81      Arg Glu Ala Ala Leu Thr Leu Leu Gly Arg Ala Arg Lys Asp Glu Arg
82          325          330          335
83      Ser Ser His
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86 <211> LENGTH: 18
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
91      GPSA3
92 <400> SEQUENCE: 3
93      ttagtggtg ctgcgtc
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 18

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97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
101     GPSA5
102 <400> SEQUENCE: 4
103     aacaatgaac caacgtaa
105 <210> SEQ ID NO: 5
106 <211> LENGTH: 26
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR pimer
111     GPSA31
112 <400> SEQUENCE: 5
113     gagagctctt agtggctgct gcgctc
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 30
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
121     GPSA51
122 <400> SEQUENCE: 6
123     gaagaaggat ccaacaatga accaacgtaa

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/21/2002
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2

VERIFICATION SUMMARY

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